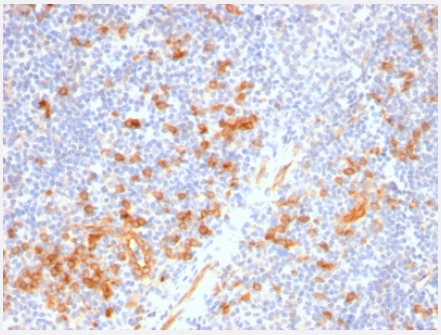
IL7R monoclonal antibody, clone IL7R/2751

Catalog # MAB21101 Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human Tonsil using IL7R monoclonal antibody, clone IL7R/2751.

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant human IL7R.
Immunogen	Recombinant protein corresponding to amino acid 21-236 of human IL7R.
Host	Mouse
Reactivity	Human
Form	Liquid
Purification	Protein A/G purification
Isotype	IgG2c, kappa
Recommend Usage	Immunohistochemistry (Formalin-fixed) (2-4 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 10 mM PBS (0.05% BSA, 0.05% sodium azide)
Storage Instruction	Store at 2 to 8°C.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human Tonsil using IL7R monoclonal antibody, clone IL7R/2751.

Gene Info — IL7R

Entrez GeneID	3575
Protein Accession#	P16871
Gene Name	IL7R
Gene Alias	CD127, CDW127, IL-7R-alpha, IL7RA, ILRA
Gene Description	interleukin 7 receptor
Omim ID	146661 600802
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a receptor for interleukine 7 (IL7). The function of this recepto r requires the interleukin 2 receptor, gamma chain (IL2RG), which is a common gamma chain sha red by the receptors of various cytokines, including interleukine 2, 4, 7, 9, and 15. This protein has been shown to play a critical role in the V(D)J recombination during lymphocyte development. Thi s protein is also found to control the accessibility of the TCR gamma locus by STAT5 and histone acetylation. Knockout studies in mice suggested that blocking apoptosis is an essential function o f this protein during differentiation and activation of T lymphocytes. The functional defects in this pr otein may be associated with the pathogenesis of the severe combined immunodeficiency (SCID). [provided by RefSeq
Other Designations	CD127 antigen|interleukin 7 receptor alpha chain

Pathway

- Cytokine-cytokine receptor interaction
- Hematopoietic cell lineage
- Jak-STAT signaling pathway
- Primary immunodeficiency

Disease

- Arthritis
- Asthma
- Bronchial Hyperreactivity
- Carcinoma
- Celiac Disease
- Dermatitis
- Diabetes Mellitus
- Genetic Predisposition to Disease
- Graft vs Host Disease
- Helicobacter Infections
- HIV Infections
- Hyperparathyroidism
- Kaposi Varicelliform Eruption
- Lung Diseases
- Lung Neoplasms
- Lymphoma
- Lymphomatoid Granulomatosis
- Lymphopenia
- Multiple Sclerosis
- Pulmonary Disease
- Recurrence
- Respiratory Hypersensitivity
- Sarcoidosis
- Severe combined immunodeficiency
- Stomach Neoplasms

- Syndrome
- Tobacco Use Disorder
- Urinary Bladder Neoplasms
- Werner syndrome